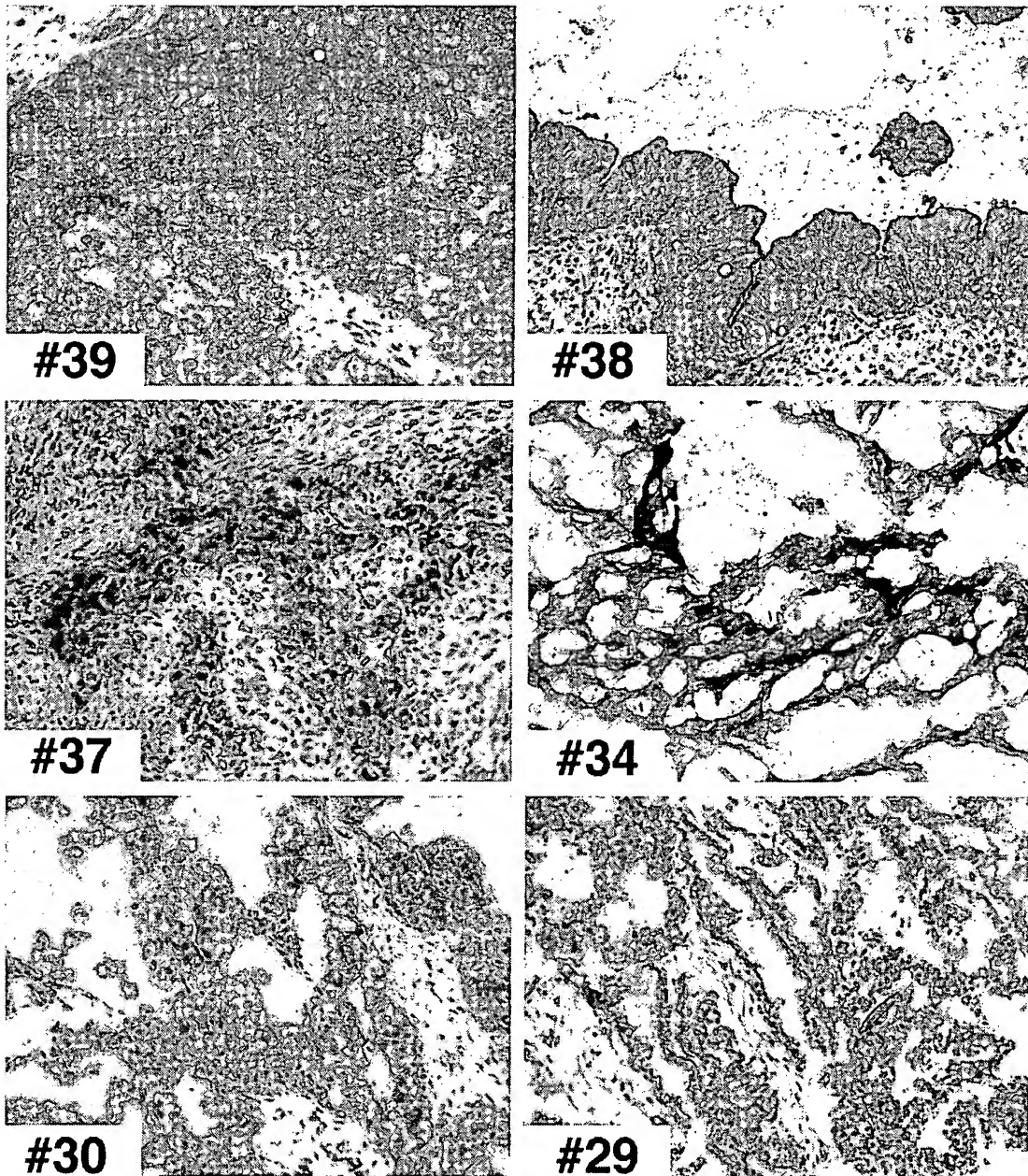
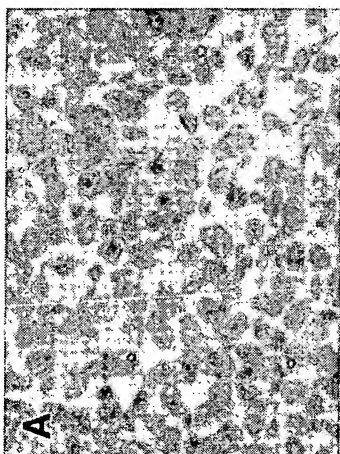
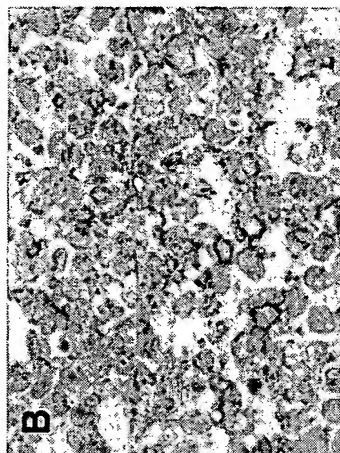


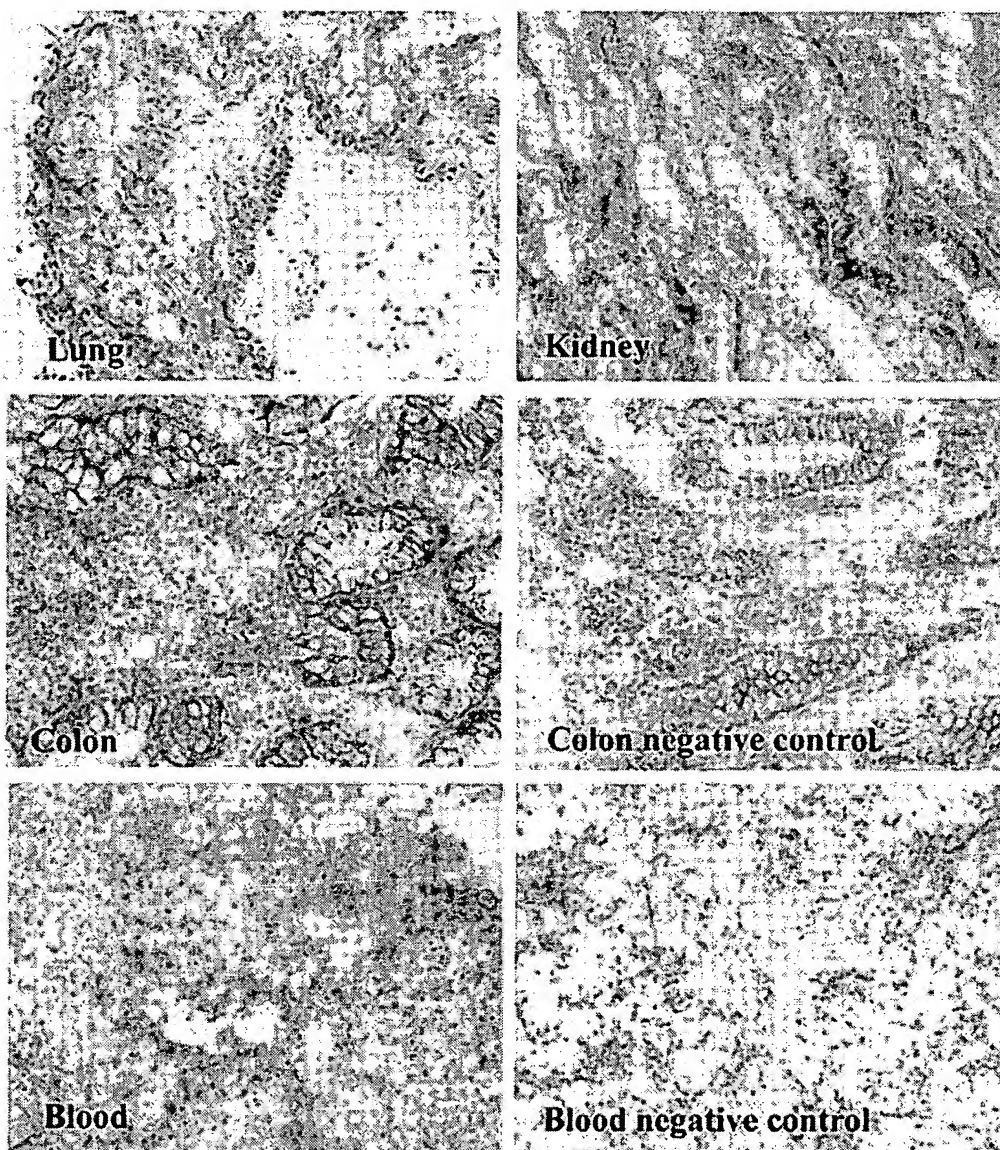
**Figure 1**





**Figure 2**

**Figure 3**



**A. PIP Heavy chain variable region**

gatgtgcagcttcaggagtcaggacctgacctgggtgaaaccttctcagtcagtttcactcacc  
tgcactgtcactggctactccatcaccagtggttatggctggcactggatccggcagtttcca  
ggaaataaactggaatggatgggctgcatacactacagtggttagcactaactacaacccatct  
ctcaaaagtcgaatctctgtcactcgagacacatccaagaaccagttcttcctgcagttgaat  
tctgtgactactgaggacacagccacatattactgtgcaagaagggaatatggtaactatgct  
atggactactggggtcaaggaacctcagtcaccgtctcctcag

DVQLQESGPDLVKPSQSVSLTCTVTGYSITSGYGWHWIRQFPGNKLEWMGCIHYSGS  
TNYNPSLKSRI SVTRDTSKNQFFLQLNSVTTEDTATYYCARREYGN YAMDYWGQGTS  
VTVSS

**B. PIP Heavy chain native signal sequence.**

atgagagtgcctgattcttttgtgcctgttcacagcctttcctggatatcctgtct

MRVLILLCLFTA FPGILS

**C. PIP Light chain variable region**

gacattgtgatgacacagtcctccatcctccctgagtggtgcagcaggagagaagggtcactatg  
agctgcaagtccagtcagagtcctgttaaacagtggaatcaaaagaactacttggcctgggtac  
cagcagaaaccagggcagcctcctaaactgttgatctacggggcatccactagggaatctggg  
gtccctgatcgcttcacaggcagtggtctggaaccgatttcactcttaccatcagcagtggtg  
caggctgaagacctggcagtttattactgtcagaatgatcatagttatccattcacgttcggc  
tcggggacaaagttggaattaaaac

DVQLQESGPDLVKPSQSVSLTCTVTGYSITSGYGWHWIRQFPGNKLEWMGCIHYSGS  
TNYNPSLKSRI SVTRDTSKNQFFLQLNSVTTEDTATYYCARREYGN YAMDYWGQGTS  
VTVSS

**D. PIP Light chain native signal sequence**

atggaatcacagactcaggctcctcatctccttgcctgttctgggtatctgggtacctgtggg

MESQTQVLISLLFWVSGTCG

**FIGURE 4**

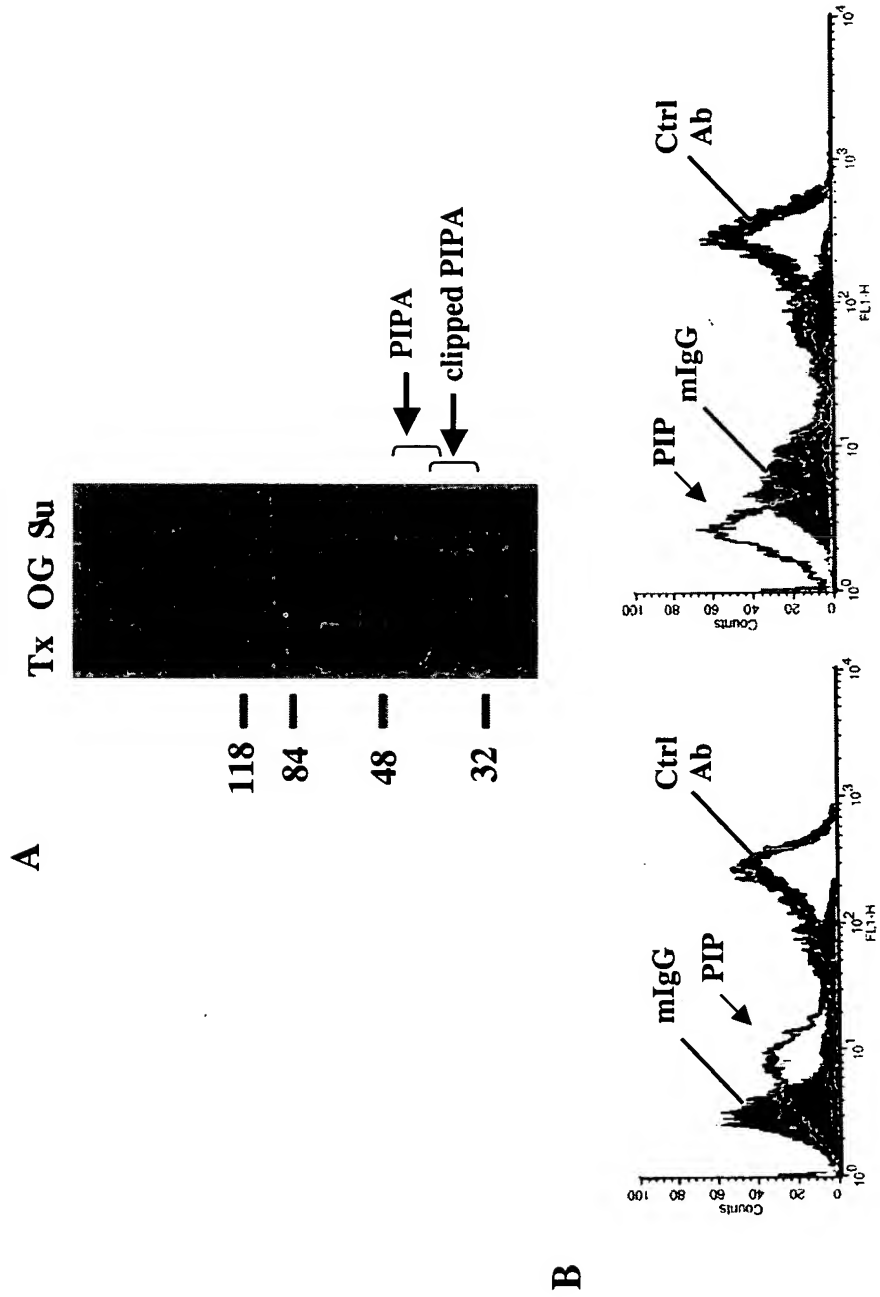
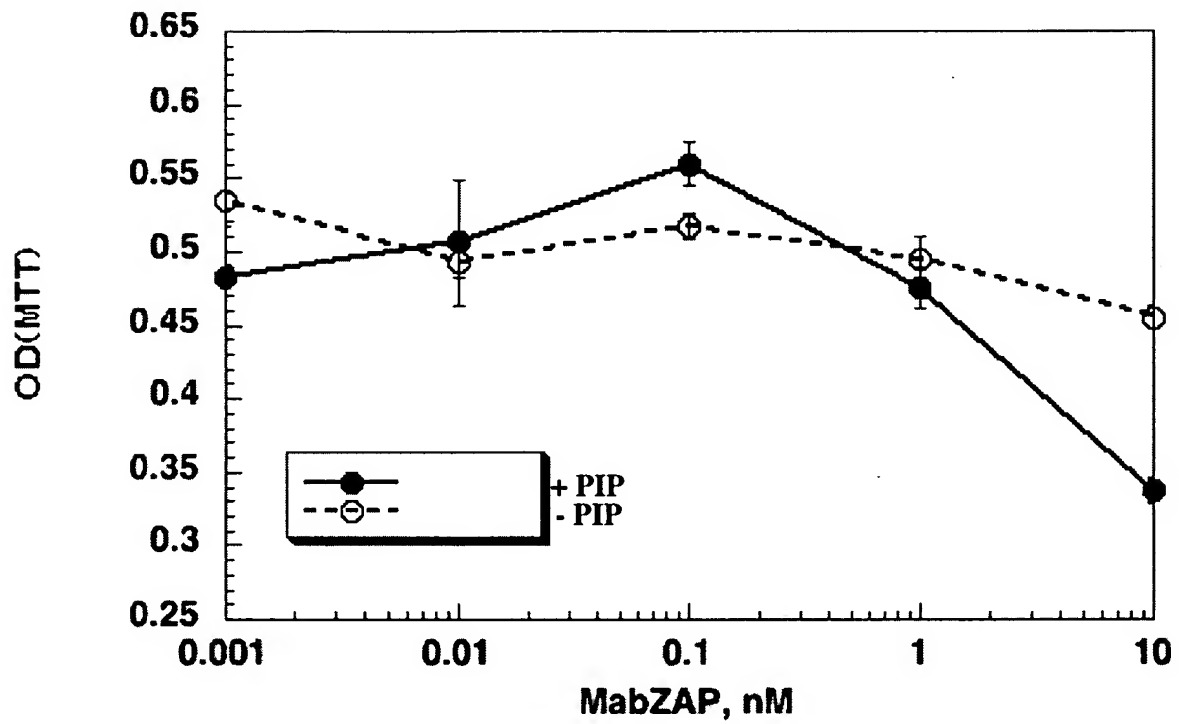


Figure 5

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**Figure 6**